

ABSTRACT

A new electronic imaging system is achieved. The system comprises a sensor having a first color region, a second color region, and a third color region. A prism system comprises a first prism having a first index of refraction and overlying the first color region. The first prism directs incident light of the first color to the first color region of the sensor. A second prism has a second index of refraction and overlies the second color region. The second prism directs incident light of the second color to the second color region of the sensor. A third prism has a third index of refraction and overlies the third color region. The third prism directs incident light of the third color to the third color region of the sensor.